

**DOCUMENT COVER SHEET**

Document Title.	Environment Management Plan
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Notes:

REVISION HISTORY				
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1	28 Oct 2009	Initial Issue	Tim D'ath	Bill Plug
2	10 <sup>th</sup> Feb 2010	Amend session 3.7 – Reuse & Recycle. & session 6.3 – Training & Induction.	Tim D'ath	Bill Plug
3	8 <sup>th</sup> Dec 2010	Amendment to Dangerous goods / MSDS		

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## 1 SCOPE

This environmental management plan is designed to ensure compliance with all Commonwealth, State and Local Council requirements.

The scope of work undertaken by Northport Marine Services shall include, but is not restricted to, the following activities:

- Project management
- Vessel design & documentation
- Commercial diving services
- Manning & vessel hire
- Mooring services & installation
- Steel & aluminium fabrication
- Vessel maintenance

## 2 ENVIRONMENTAL ASPECTS AND IMPACTS

An environmental site assessment checklist shall be used as the tool to identify risks to the environment associated with the scope of the work being undertaken by Northport Marine Services or its subcontractors. A site environmental assessment has been undertaken and the aspects (environmental risks) and their likely impact associated with the site have been included on this register.

*The significant environmental impacts identified at the site are as follows:*

- hazardous substances spills*
- noise control during peak periods of work*
- dust emissions on windy days*
- visible smoke emissions from site vessels and plant (mobile)*
- litter control*
- recycling and reuse of waste*

## 3 ENVIRONMENTAL MONITORING AND AUDIT PLAN

Northport Marine Services shall monitor the environmental management of aspects on site.

In support of the environmental monitoring and audit plan, The OHS/Environmental Representative on site shall observe and record general observations and activities associated with the environment;

- during unusual or extreme weather conditions
- when work is undertaken in close proximity to the harbor
- when the likelihood of air quality may be affected
- should noise from plant, vessels or other activities impose a risk

- when there is a risk of fire, or
- where the Aspects and Impacts Register identifies a risk that requires monitoring

### **3.1 Emissions – Hazardous Substances**

Northport Marine Services shall ensure that any hazardous substance is not discharged into surface, groundwater or into the ocean.

Northport Marine Services shall have in place plans for the management of spills or leakage of hazardous substances should they occur.

Should any hazardous substances be spilt, contingency plans shall be in place to have the substance confined within the spilt area on site until the incident can be effectively managed.

### **3.2 – Air Quality**

Northport Marine Services shall comply with all emission limits in the State Environment Protection Policy (Air Quality).

All vehicles, vessels and plant belonging to Northport Marine Services or their subcontractors shall have installed pollution minimisation devices, maintained and repaired so the devices comply with prescribed standards or maximum permissible concentrations of emissions.

### **3.3 – Noise Pollution**

Northport Marine Services and their subcontractors shall undertake plant risk assessments, including noise management, prior to moving any mobile plant or equipment onto site. The implementation of a Buy Quiet Procedure will assist in controlling noise pollution levels prior to equipment arriving on site.

### **3.4 – Dangerous Goods & Hazardous Substances**

Re-fuelling shall only be done according to Northport Marine Services re-fuelling policy and will adhere to strict guidelines. All re-fuelling must be kept on record on board the vessel. Refer to the TA

Storage of chemicals and fuels shall be contained within bunded areas with spill response kits located nearby. In the case of dangerous goods stored or used within Northport Marine Services operations, the Dangerous Goods Safety Guidance Note S01/09 will determine whether a Dangerous Goods License will be required to be obtained. An MSDS will accompany each and every hazardous substance on site.

### **3.5 – Risk of Fire**

Appropriate fire management controls, including trained personnel and fire-fighting equipment shall be available in case of an emergency.

### 3.6 – Waste Management & Minimisation

Northport Marine Services shall ensure all waste is managed in accordance with the NPMS Industrial Waste Management Policy for Prescribed Industrial Waste.

Northport Marine Services shall not reuse, recycle, use as a source of energy, store, transport, treat or reprocess waste in any way or form that may result in an unfavourable environmental impact.

Northport Marine Services shall not establish any waste/refuse dump or other solid or liquid waste disposal on site.

Northport Marine Services shall take all reasonable precautions to ensure that all industrial prescribed waste transported from the site is done so in a licensed vehicle with a valid EPA permit.

### 3.7 – Reuse & Recycling

Northport Marine Services shall ensure the following reuse and recycling systems apply in their shipyard services:

- The use of recycling bins
- The use of nominated bins (steel, timber, general)

## 4 LEGAL & REGULATORY MATTERS

Legal obligations in relation to the environment shall include obligations relating to the following Acts and Regulations:

- Occupational Safety & Health Act 1984
- Occupational Safety & Health Regulations 1996
- Mines Safety and Inspection Act 1994
- Mines Safety and Inspection Regulations 1994
- AS/NZS 2299 (Diving)

**-Environmental Protection Act 1986** – Part V, Division 1: Pollution & Environmental Harm Offenses, Division 5: Miscellaneous

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**Marine Orders Part 91 – 100.**

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**WA Marine Act & Regulations 1982**

**Pollution by Waters by Oil and Noxious Substances Act & Regulations 1987:** (Implements MARPOL Convention also)

**Prevention of the Pollution of Sea Act 1979 & Regulations 1980**

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## 5 EMERGENCY PREPAREDNESS

Northport Marine Services shall ensure all employees and subcontractors are aware of the emergency preparedness plan and procedures on site.

The emergency evacuation process, the emergency fire fighting system and the emergency plans for spillage containment shall be included in all site inductions.

## **6 ADMINISTRATION**

### **6.1 – Records**

The Aspects and Impact Register shall be maintained on site and include the following information:

- Identified environmental risks (aspects) and their controls
- Responsibility for actioning
- Records of actions having been taken.

### **6.2 – Audits**

An audit of the environmental system shall be incorporated into the site safety audits undertaken by the OHSM or Representative. Should an environmental incident occur which has significant impact on the environment, including long term damage, a separate audit will be performed by an independent environmental auditor and provided to the client for review and appropriate actioning. Records of audits and monitoring shall be kept.

### **6.3 – Training & Induction**

Environmental awareness education and training in site requirements is included in the site induction at the Northport Marine Services' shipyard as appropriate to the contract. Training will also be delivered through Toolbox & HSE meetings.

### **6.4 – Non Conformance**

Corrective actions associated with the environmental management system will be taken within 7 days of receipt of the Corrective Action Request. The Corrective and Preventive Action Procedure as issued in the Quality Management System is used for managing environmental corrective actions.